Neutralising Acids Activity

Your task is to collect the appropriate information from the in class activity and present it in an organized scientific report. In order to score the best possible grade, ensure that you include the following:

1. Title, Name, Class
2. Collect the appropriate information
3. Make a table for your information
4. Make a graph(s) that show the change in pH of each solution
5. Describe the relationships in the data by correctly answering the following questions:
   1. Which kitchen solutions were acidic?
   2. Which kitchen solutions were basic?
   3. Which kitchen solutions were neutral?
   4. How did the acids respond to having some bicarbonate of soda powder added to them?
   5. How did the alkalis respond to having some bicarbonate of soda powder added to them
6. Draw appropriate conclusions by correctly answering the following questions:
   1. Did any results surprise you? Discuss.
   2. Suggest an explanation for your observations with the bicarbonate of soda.
   3. Suggest why bicarbonate of soda is often present in preparations for settling an ‘acid’ stomach.

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| **Criterion E – Processing Data** | |
| **Achievement Level** | Descriptor |
| **0** | The student does not reach a standard described by any of the descriptors below. |
| **1-2** | The student collects some data and attempts to record it in a suitable table. The student organizes transforms and presents data in a simple graph(s). The student attempts to draw a conclusion by answering the questions but this is not consistent with the interpretation of the data. |
| **3-4** | The student collects sufficient relevant data and records it in a suitable table. The student organizes, transforms and presents data in a suitable graph(s). The student states a trend, pattern or relationship shown in the data by answering the questions but some information is missing. The student draws a conclusion consistent with the interpretation of the data by answering the questions but not in depth. |
| **5-6** | The student collects sufficient relevant data and records it in a suitable table. The student organizes, transforms and presents data in well presented graph(s). The student states a trend, pattern or relationship in the data by answering the questions fully and uses the data to convey understanding/interpretation. The student draws a conclusion based on the interpretation of the data by fully answering the questions and in depth. |